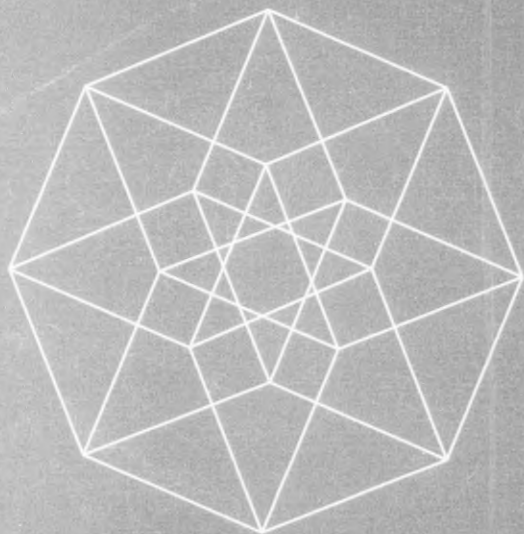


ISSN 0166-218X

DISCRETE APPLIED MATHEMATICS



MASTER INDEX

VOLUMES 111–120

(Books announcements)

COMBINATORIAL
ALGORITHMS
OPTIMIZATION AND
COMPUTER SCIENCE

NORTH-HOLLAND

AVAILABLE AT

WWW.MATHEMATICSWEB.ORG

POWERED BY SCIENCE @ DIRECT®

Abstracted/Indexed in:
 ACM Computing Reviews
 Cambridge Scientific Abstracts
 Current Contents: Physical, Chemical & Earth Sciences
 Engineering Index/Compendex
 INSPEC Information Services
 International Abstracts in Operations Research
 Mathematical Reviews
 PASCAL
 Science Citation Index
 Statistical Theory and Method Abstracts
 Zentralblatt für Mathematik
 Anbar Electronic Intelligence

EDITOR-IN-CHIEF Peter L. Hammer, Piscataway (NJ)

ADVISORY EDITORS

E. Balas, Pittsburgh (PA)	V.L. Klee, Seattle (WA)
G.B. Dantzig, Stanford (CA)	D.J. Kleitman, Cambridge (MA)
P.C. Fishburn, Florham Park (NJ)	B. Korte, Bonn
T. Ibaraki, Kyoto	B. Trakhtenbrot, Ramat Aviv

BOARD OF EDITORS

N. Alon, Ramat Aviv	R.M. Karp, Berkeley (CA)
D. Avis, Montreal (Que.)	J. Krarup, Copenhagen
C. Benzaken, Grenoble	T. Lengauer, St. Augustin
J.-C. Bermond, Sophia Antipolis	M. Lomonosov, Beer Sheva
K.P. Bogart, Hanover (NH)	L. Lovász, Redmond (WA)
E. Boros, Piscataway (NJ)	F. Maffioli, Milano
R.E. Burkard, Graz	C. McDiarmid, Oxford
V. Chvátal, Piscataway (NJ)	N. Megiddo, San Jose (CA)
D.G. Corneil, Toronto (Ont.)	R.H. Möhring, Berlin
D. de Werra, Lausanne	G.L. Nemhauser, Atlanta (GA)
S. Fujishige, Osaka	H. Noltemeier, Würzburg
F. Giannessi, Pisa	P. Pevzner, La Jolla (CA)
M.C. Golumbic, Ramat Gan	A. Prekopa, New Brunswick (NJ)
R.L. Graham, La Jolla (CA)	R.C. Read, Waterloo (Ont.)
P. Hansen, Montréal (Qué.)	F.S. Roberts, Piscataway (NJ)
F. Harary, Las Cruces (NM)	M. Saks, Piscataway (NJ)
P. Hell, Burnaby (B.C.)	A. Salomaa, Turku
A.J. Hoffman, Yorktown Heights (NY)	A. Schrijver, Amsterdam
S. Istrail, Rockville (MD)	M. Segal, Holmdel (NJ)
M. Iri, Tokyo	R. Shamir, Tel Aviv
G. Kalai, Jerusalem	Z. Wan, Beijing

EDITORS MATHEMATICAL SOFTWARE SECTION

S. Martello, Bologna	P. Toth, Bologna
----------------------	------------------

Scope of the Journal

The aim of this journal is to bring together research papers in different areas of algorithmic and applicable discrete mathematics, as well as applications of combinatorial mathematics to computer science, OR and various areas of science and technology.

Contributions presented to the journal can be research papers, short notes, surveys, and possibly research problems. The "Communications" section will be devoted to the fastest possible publication of the brief outlines of recent research results, the detailed presentation of which might be submitted for possible publication in DAM or elsewhere. The journal will also publish a limited number of book announcements, as well as proceedings of conferences.

④ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

Printed in The Netherlands

**DISCRETE
APPLIED
MATHEMATICS**



DISCRETE APPLIED MATHEMATICS

MASTER INDEX
VOLUMES 111-120



ELSEVIER

Amsterdam - London - New York - Oxford - Paris - Shannon - Tokyo

This journal and the individual contributions contained in it are protected under copyright by Elsevier Science B.V., and the following terms and conditions apply to their use:

Photocopying

Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.

Permissions may be sought directly from Elsevier Science Rights & Permissions Department, P.O. Box 800, Oxford OX5 1DX, UK; phone: (+44) 1865 843830, fax: (+44) 1865 853333, e-mail: permissions@elsevier.com.uk. You may also contact Rights & Permissions directly through Elsevier's home page (<http://www.elsevier.nl>), selecting first 'Customer Support', then 'General Information', then 'Permissions Query Form'.

In the USA, users may clear permissions and make payments through the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA; phone: (+1)(978) 7508400, fax: (+1)(978) 7504744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P0LP, UK; phone: (+44)171 631 5555; fax: (+44) 171 631 5500. Other countries may have a local reprographic rights agency for payments.

Derivative Works

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the publisher is required for resale or distribution outside the institution.

Permission of the publisher is required for all other derivative works, including compilations and translations.

Electronic Storage or Usage

Permission of the Publisher is required to store or use electronically any material contained in this journal, including any article or part of an article. Contact the publisher at the address indicated.

Except as outlined above no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the Publisher.

Address permissions requests to: Elsevier Science Rights & Permissions Department, at the mail, fax and e-mail addresses noted above.

Notice

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Editor-in-Chief

P.L. Hammer, RUTCOR, Rutgers, the State University of New Jersey, 640 Bartholomew Road, Piscataway, NJ 08854-8003, USA

Advisory Editors

- E. Balas, Carnegie-Mellon University, Graduate School of Industrial Administration, Schenley Park, Pittsburgh, PA 15213, USA
G.B. Dantzig, Stanford University, Department of Operations Research, Terman Engineering Center, Stanford, CA 94305, USA
P.C. Fishburn, AT&T Labs - Research, 180 Park Avenue, Florham Park, NJ 07932-0971, USA
T. Ibaraki, Kyoto University, Faculty of Engineering, Department of Applied Mathematics & Physics, Kyoto 606, Japan
V.L. Klee, University of Washington, Department of Mathematics, Seattle, WA 98195, USA
D.J. Kleitman, Massachusetts Institute of Technology, Department of Mathematics, Cambridge, MA 02139, USA
B. Korte, Universität Bonn, Abteilung Operations Research, Nassestrasse 2, D-5300 Bonn 1, Germany
B. Trakhtenbrot, Tel Aviv University, Department of Computer Science, 69978 Ramat Aviv, Tel Aviv, Israel

Board of Editors

- N. Alon, Tel Aviv University, Department of Mathematics, Ramat Aviv, 69978 Tel Aviv, Israel
D. Avis, McGill University, School of Computer Science, 3480 University, Montreal, Quebec H3A 2A7, Canada
C. Benzaken, Laboratoire Leibniz, IMAG, 46 av. Felix Viallet, F-38031 Grenoble Cedex 1, France
J.-C. Bermond, Project MASCOTTE, I3S-INRIA, 2004 Route des Lucioles, BP 93, F-06902 Sophia-Antipolis, France
K.P. Bogart, Dartmouth College, Department of Mathematics, 6188 Bradley Hall, Hanover, NH 03755, USA
E. Boros, RUTCOR/Rutgers, the State University of New Jersey, 640 Bartholomew Road, Piscataway, NJ 08854-8003, USA
R.E. Burkard, Technische Universität Graz, Institut für Mathematik, Steyergasse 30, A-8010 Graz, Austria
V. Chvatal, Rutgers, the State University of New Jersey, Department of Computer Science, Hill Center, Piscataway, NJ 08854-8003, USA
D.G. Corneil, University of Toronto, Department of Computer Science, Toronto, Ontario, M5S 1A4, Canada
D. de Werra, École Polytechnique Fédérale de Lausanne, Departement de Mathématiques, MA Ecublens, Lausanne, CH-1015, Switzerland
S. Fujishige, Division of Systems Science, Graduate School of Engineering Science, Osaka University, Toyonaka, Osaka 560-8531, Japan
F. Giannessi, Università di Pisa, Dipartimento di Matematica, Via Buonarroti 2, I-56100 Pisa, Italy
M.C. Golumbic, Bar-Ilan University, Department of Mathematics and Computer Science, Ramat Gan, Israel
R.L. Graham, University of California - San Diego, Department of Computer Science and Engineering, La Jolla, CA 92093-0114, USA
P. Hansen, GERAD-HEC, École Polytechnique Montréal, 5255 Ave. Decelles, Montréal, Quebec H3T 1V6, Canada
F. Harary, New Mexico State University, Department of Computer Science, Box 30001, Las Cruces, NM 88003-8001, USA

- P. Hell, Simon Fraser University, Department of Computer Science, Burnaby, British Columbia, V5A 1S6, Canada
- A.J. Hoffman, IBM Thomas Watson Research Center, Mathematical Sciences Department, P.O. Box 218, Yorktown Heights, NY 10598, USA
- S. Istrail, Informatics Research, Celera Genomics, 45 West Gude Drive, Rockville, MD 20850, USA
- M. Iri, Chuo University, Department of Information & System Engineering, 1-13-27 Kasuga, Bunkyo-Ku, Tokyo 112, Japan
- G. Kalai, The Hebrew University, Department of Mathematics, Givat Ram, Jerusalem 91904, Israel
- R.M. Karp, University of California, Computer Science Division, MC 1776, Berkeley, CA 94720-1776, USA
- J. Krarup, University of Copenhagen, Department of Computer Science, Universitetsparken 1, DK-2100 Copenhagen Ø, Denmark
- T. Lengauer, GMD-SCAI, Schloss Birlinghoven, D-53754 Sankt. Augustin, Germany
- M. Lomonosov, Ben Gurion University of the Negev, Department of Mathematics & Computer Science, P.O. Box 653, Beer Sheva 84105, Israel
- L. Lovász, Microsoft Research, One Microsoft Way, Redmond, WA 98052, USA
- F. Maffioli, Politecnico di Milano, Dipartimento di Elettronica, Piazza Leonardo da Vinci 32, I-20133 Milano, Italy
- C. McDiarmid, University of Oxford, Department of Statistics, 1 South Parks Road, Oxford OX1 3TG, UK
- N. Megiddo, IBM Almaden Research Center, 650 Harry Road, San Jose, CA 95120-6099, USA
- R.H. Möhring, Technische Universität Berlin, Fachbereich Mathematik (MA 6-1), Strasse des 17 Juni 136, D-10623 Berlin, Germany
- G.L. Nemhauser, Georgia Institute of Technology, School of Industrial & Systems Engineering, Atlanta, GA 30332-0205, USA
- H. Noltemeier, Universität Würzburg, Institut für Informatik I, Am Hubland, D-97074 Würzburg, Germany
- P. Pevzner, University of California San Diego, Department of Computer Science and Engineering, APM 3132, 9500 Gilman Drive Dept. 0114, La Jolla, CA 92093-0114, USA
- A. Prekopa, Rutgers, the State University of New Jersey, RUTCOR, 640 Bartholomew Road, Piscataway, NJ 08854-8003, USA
- R.C. Read, University of Waterloo, Department of Combinatorics and Optimization, Waterloo, Ontario, N2L 3G1, Canada
- F.S. Roberts, Rutgers, the State University of New Jersey, Department of Mathematics, Hill Center, Piscataway, NJ 08855, USA
- M. Saks, Rutgers, the State University of New Jersey, Department of Mathematics, Hill Center, Piscataway, NJ 08855, USA
- A. Salomaa, University of Turku, Academy of Finland and Math. Dept., FI-20500 Turku 50, Finland
- A. Schrijver, CWI, P.O. Box 94079, Kruislaan 413, 1090 GB Amsterdam, The Netherlands
- M. Segal, AT&T Bell Laboratories, 101 Crawfords Corner Road, Holmdel, NJ 07733, USA
- R. Shamir, Tel Aviv University, School of Mathematics, Tel Aviv 69978, Israel
- Z. Wan, Academia Sinica, Institute of Systems Science, Beijing 100080, China

Editors Mathematical Software Section

- S. Martello, DEIS Università di Bologna, Viale Risogimento 2, 40136, Bologna, Italy
- P. Toth, DEIS, Università di Bologna, Viale Risogimento 2, 40136, Bologna, Italy

List of Referees: Volumes 111-120

DISCRETE APPLIED MATHEMATICS has continuously benefitted from the kind assistance of a great number of referees. We hereby express our gratitude for their sustained efforts, without which our activity could not have been carried out.

The Editors

- | | | |
|-----------------|-----------------|------------------|
| F. Aguilo-Gost | J.A. Blue | M. Couprie |
| E. Ahronovitz | C. Blundo | Y. Crama |
| R.K. Ahuja | A. Bockmayr | J. Csirik |
| M. Aigner | H.L. Bodlaender | J. Cutler |
| A. Ainouche | I.M. Bomze | D. Cvetkovic |
| S. Akturk | E. Bonomi | |
| S. Albers | M. Bonuccelli | E. Dahlhaus |
| G. Alexe | G. Borgefors | M.A. Daowi |
| F. Alizadeh | E. Boros | J. Dassow |
| J-P. Allouche | A. Brandstadt | S. Dauzere-Peres |
| D. Amar | A. Brieden | I. de Farias |
| E. Andres | G.R. Brightwell | R. De Leone |
| M.H.G. Anthony | R.A. Brualdi | D. de Werra |
| A. Apostolico | P. Brucker | A. Del Lungo |
| T. Asano | L. Brunetta | M. Dell'Amico |
| G. Ausiello | R. Bruni | P. Dell'Olmo |
| I. Averbakh | P. Butkovic | C. Delorme |
| | | R. Diestel |
| L. Babel | K. Cameron | G. Ding |
| E. Balas | A. Caprara | C. Dowling |
| J. Balogh | R.D. Carr | R.G. Downey |
| J. Bang-Jensen | K. Cechlarova | A.W.M. Dress |
| V. Barre | E. Cela | M. Dror |
| J.P. Barthelemy | CHANG Gerard J. | S. Droste |
| F. Bassino | J-M. Chassery | G. Duchamp |
| R.I. Becker | CHEN Guantao | D. Duffus |
| L.W. Beineke | CHEN Jianer | F. Durand |
| A. Ben-Israel | CHEN Yuh-Shyan | |
| O. Berman | O.S. Cheong | U. Eckhardt |
| J. Berstel | P. Chretienne | F. Eisenbrand |
| G. Bertrand | M. Cohn | M.H. El-Zahar |
| S. Bezrukov | C.J. Colbourn | L. Engebretsen |
| J.C. Bioch | M. Conforti | H. Enomoto |
| J. Blazewicz | D.G. Corneil | |

- | | | |
|------------------|--------------------|---------------------|
| D. Eppstein | G.Z. Gutin | B. Jackson |
| M. Erne | I. Gutman | A. Janiak |
| | A. Gyarfas | S. Jendrol |
| U. Faigle | | M. Jerrum |
| O. Favaron | M. Habib | T. Jordon |
| S.P. Fekete | W.H. Haemers | D.W. Juedes |
| M.R. Fellows | P. Hajnal | H. Jurgensen |
| G. Fertin | S.L. Hakimi | |
| J. Fiala | N.G. Hall | S.N. Kabadi |
| G. Finke | M.M. Halldorsson | I. Kanj |
| D.E. Fishkind | H.W. Hamacher | V. Kann |
| M. Flammini | Y.O. Hamidoune | S. Kannan |
| E. Flandrin | M. Hanazawa | M. Kano |
| L.K. Fleischer | D. Hanson | V. Kapoulas |
| S. Foldes | S.G. Hartke | D.R. Karger |
| J. Fonlupt | H.A. Harutyunyan | J.J. Kari |
| R. Fourer | R. Hassin | L. Kari |
| P. Fraigniaud | T. Hasunuma | G. Karolyi |
| J.V. Franco | X. He | A.V. Karzanov |
| A. Frank | P. Hell | L. Kaszonyi |
| H.M. Fredricksen | L. Hellerstein | G.Y. Katona |
| R. Freund | G.T. Herman | J.M. Keil |
| A.M. Frieze | O. Hernandez-Lerma | H. Kellerer |
| T. Fujie | A. Hertz | S. Khanna |
| S. Fujishige | A.M. Hobbs | S. Khuller |
| K. Fukuda | D.S. Hochbaum | C. Kiselman |
| M. Furer | W. Hochstaettler | A. Kisielewicz |
| | C. Hoede | K.C. Kiwiel |
| B. Gaertner | A. Hoffmann | A. Klappenecker |
| J. Galtier | R. Holzman | R. Klasing |
| GAO Shuhong | I. Honkala | S. Klavzar |
| L. Gargano | H.H. Hoos | V. Klee |
| M. Gaudio | R. Horst | D.J. Klein |
| F. Gavril | HSU Tsan-Sheng | S.T. Klein |
| A. Goerd | J. Hurink | H. Kleine Buening |
| B. Goldengorin | HWANG Frank K | B. Klinz |
| M.J. Golin | | T. Kloks |
| M.C. Golumbic | T. Ibaraki | E. Koehler |
| G. Gordon | L. Ibarra | P. Kolman |
| R.J. Gould | Y. Ikebe | G. Kortsarz |
| D.J. Grabiner | H. Imai | G.A. Koshevoy |
| A. Graf | R.W. Irving | V.A. Kovalevsky |
| D. Granot | G. Isaak | E. Kranakis |
| J.R. Griggs | H. Ishii | J. Kratochvil |
| G.R. Grimmett | S. Istrail | D. Kratsch |
| D.R. Guichard | H. Ito | M. Krause |
| V.A. Gurvich | IWATA, Satoru | M.S. Krishnamoorthy |

- | | | |
|-------------------------|-----------------|-----------------|
| W. Kropatsch | R.M. McConnell | U.N. Peled |
| A. Kuba | C. McDiarmid | D. Peleg |
| M. Kubale | L.A. McGeoch | S. Peng |
| W. Kubiak | E.W. McMahon | D. Peterson |
| O. Kullmann | D. Medhi | C. Peyrat |
| | Mehta, Arranyak | U. Pferschky |
| G. Labelle | M. Meringer | N. Pippenger |
| J. Lagergren | R. Meshulam | J. Plesnik |
| G. Lancia | M. Mészka | A. Pluhar |
| G. Laporte | S. Miguét | C.N. Potts |
| V.B. Le | M. Minoux | R.C. Powers |
| R.A. Leese | E. Miyano | A. Prekopa |
| H. Lefmann | M. Mollard | D. Pretolani |
| J. Lehel | B. Monien | O. Pretzel |
| M. Lemos | M. A. Morgana | E. Prisner |
| L.M. Lesniak | R. Mosca | A. Proskurowski |
| A. Letchford | M. Moscarini | J.S. Provan |
| V.E. Levit | H. Mueller | A.P. Punnen |
| A.L. Liestman | R.C. Mullin | |
| C.C. Lindner | A. Munier | T. Radzik |
| S. Litsyn | K. Murota | I. Ragnemalm |
| D.D-F. LIU | M.E. Muzychuk | G. Ramalingam |
| LIU Ying | J. Mykkeltveit | B. Randerath |
| E.K. Lloyd | C.M. Mynhardt | D. Rautenbach |
| Z. Lonc | | R.C. Read |
| P. Lopez | H. Nagamochi | A. Recski |
| V.V. Lozin | S. Negami | B. Reed |
| A. Lucena | G.L. Nemhauser | O. Regev |
| | S. Nickel | J. Renaud |
| F. Maffioli | T. Nishizeki | F. Rendl |
| F. Maffray | H. Noltemeier | J.M. Renegar |
| N.V.R. Mahadev | M. Nonato | W.T. Rhee |
| P. Mahey | E. Nowicki | Y. Roditty |
| A.R. Mahjoub | Z. Nutov | D.S. Romano |
| K. Makino | | I.G. Rosenberg |
| R. Malgouyres | Y. Oda | U.G. Rothblum |
| F. Malucelli | M. Ohsaki | G.F. Royle |
| D.F. Manlove | H. Okamura | S. Rudeanu |
| C. Mannino | S. Olariu | K. Ruohonen |
| A. Marchetti-Spaccamela | G.S. Owen | |
| M.N. Marofalakis | J.G. Oxley | D.G. Saari |
| I. Maros | | A. Saberi |
| S. Martello | A. Pacifici | K. Sadakane |
| S. Masuyama | P.M. Pardalos | A. Salomaa |
| T. Matsui | P. Pattison | N.W. Sauer |
| Y. Matsui | A. Paz | G. Schaeffer |
| D.W. Mauro | R. Peikert | I. Schiermeyer |
| | | E. Schmeichel |

R. Schrader
 O. Serra
 S.V. Sevastianov
 K. Seyffarth
 H. Shachnai
 Y.M. Shafransky
 L.W. Shapiro
 M. Shigeno
 A. Shioura
 R. Shull
 K.T. Siegrist
 S. Simic
 G. Simonyi
 J. Siran
 R. Skrekovski
 W.F. Smyth
 P. Soille
 D. Souvaine
 E. Speckenmeyer
 J-C. Spehner
 F.C.R. Spieksma
 J. Spinrad
 A. Srinivasan
 L. Staiger
 K.E. Stecké
 S. Steinberg
 G. Steiner
 L. Stougie
 V.A. Strusevich
 T. Stutzle
 D. P. Sumner
 L. A. Székely
 W. Szpankowski

 Y. Takenaga
 H. Tamaki

A. Tamir
 A. Tamura
 G. Tel
 J-M. Thizy
 R.R. Thomas
 A.G. Thomason
 J. Tind
 G. Tinhofer
 T. Tokuyama
 R. Tosic
 G.T. Toussaint
 L. Traldi
 M.A. Trick
 N. Trinajstić
 M. Truszczynski
 A. Tucker
 G. Turan
 H. Tverberg

 E. Ukkonen
 D. Ullman
 T. Uno

 U. Vaccaro
 J. van den Heuvel
 C.P.M. van Hoesel
 G.H.J. van Rees
 L.N. Van Wassenhove
 M. Veldhorst
 A. Vetta
 D. Vigo
 M. Voigt
 L. Volkmann
 I. Vrt'ó
 J. Vygen

A.P.M. Wagelmans
 WANG Bing-Feng
 E. Wanke
 T. Watanabe
 M.E. Watkins
 K. Wayne
 W. Wenzel
 D.B. West
 E.G. Whitehead, Jr.
 D.P. Williamson
 G.J. Woeginger
 H. Wolkowicz
 D.R. Woodall
 N.C. Wormald
 F. Wotawa

 M. Yagiura
 T. Yamada
 YEH Roger K
 YEO Anders
 YONG Xuerong
 YU Gang

 G. Zambelli
 C.D. Zaroliagis
 T. Zaslavsky
 E. Zemel
 G. Zemor
 ZHANG Ping
 ZHENG Hao
 ZHOU Xiao
 Y. Zinder
 N. Zufferey
 I.E. Zverovich
 U. Zwick

Master Index: Volumes 111–120

- Abel, R.J.R., F.E. Bennett and G. Ge, Almost resolvable perfect Mendelsohn designs with block size five 116 (2002) 1–15
- Ageev, A.A., Complexity of finding a join of maximum weight 114 (2001) 3–7
- Allen, S.M., D.H. Smith and S. Hurley, Generation of lower bounds for minimum span frequency assignment 119 (2002) 59–78
- Amaldi, E. and M. Mattavelli, The MIN PFS problem and piecewise linear model estimation 118 (2002) 115–143
- Anbil, R., see F. Barahona 118 (2002) 3–11
- Anjos, M.F. and H. Wolkowicz, Strengthened semidefinite relaxations via a second lifting for the Max-Cut problem 119 (2002) 79–106
- Araujo, O., see J. Rada 119 (2002) 287–295
- Arbib, C. and M. Flammini, On the upper chromatic number of (v_3, b_2) -configurations 120 (2002) 3–12
- Arkin, E.M. and R. Hassin, A note on orientation of mixed graphs 115 (2001) 313–320
- Arkin, E.M. and R. Hassin, A note on orientations of mixed graphs 116 (2002) 271–278
- Averbuch, A., Y. Roditty and B. Shoham, Efficient line broadcasting in a d -dimensional grid 113 (2001) 129–141
- Avgustinovich, S.V., Perfect binary $(n, 3)$ codes: the structure of graphs of minimum distances 114 (2001) 9–11
- Avis, D. and A. Deza, On the binary solitaire cone 115 (2001) 3–14
- Azar, Y. and L. Epstein, On-line scheduling with precedence constraints 119 (2002) 169–180
-
- Baïou, M., On the dominant of the Steiner 2-edge connected subgraph polytope 112 (2001) 3–10
- Balogh, J., B. Bollobás and D. Weinreich, Measures on monotone properties of graphs 116 (2002) 17–36
- Barahona, F. and R. Anbil, On some difficult linear programs coming from set partitioning 118 (2002) 3–11
- Barth, D., P. Fragopoulou and M.-C. Heydemann, Uniform emulations of Cartesian-product and Cayley graphs 116 (2002) 37–54
- Barth, D., O. Baudon and J. Puech, Decomposable trees: a polynomial algorithm for tripodes 119 (2002) 205–216
- Basov, I. and A. Vainshtein, Approximation algorithms for multi-parameter graph optimization problems 119 (2002) 129–138

- Baudon, O., G. Fertin and I. Havel, Routing permutations and 2-1 routing requests in the hypercube 113 (2001) 43- 58
- Baudon, O., see D. Barth 119 (2002) 205-216
- Bauer, D., H.J. Broersma, A. Morgana and E. Schmeichel, Polynomial algorithms that prove an NP-Hard hypothesis implies an NP-hard conclusion 120 (2002) 13- 23
- Becker, R.I., Y.I. Chang, I. Lari, A. Scozzari and G. Storchi, Finding the ℓ -core of a tree 118 (2002) 25- 42
- Bennett, F.E., see R.J.R. Abel 116 (2002) 1- 15
- Beresnev, V.L., An efficient algorithm for the uncapacitated facility location problem with totally balanced matrix 114 (2001) 13- 22
- Berman, K.A. and J.L. Paul, Verifiable broadcasting and gossiping in communication networks 118 (2002) 293-316
- Berry, A. and J.-P. Bordat, Asteroïdal triples of mplexes 111 (2001) 219-229
- Biedl, T., E. Demaine, M. Demaine, S. Lazard, A. Lubiw, J. O'Rourke, S. Robbins, I. Streinu, G. Toussaint and S. Whitesides, A note on reconfiguring tree linkages: trees can lock 117 (2002) 293-297
- Biha, M.D., H. Kerivin and A.R. Mahjoub, Steiner trees and polyhedra 112 (2001) 101-120
- Blokh, D. and E. Levner, An approximation algorithm with performance guarantees for the maximum traveling salesman problem on special matrices 119 (2002) 139-148
- Boguslavsky, M.I., Radon transforms and packings 111 (2001) 3- 22
- Bojarshinov, V.A., Edge and total coloring of interval graphs 114 (2001) 23- 28
- Bollobás, B., see J. Balogh 116 (2002) 17- 36
- Bordat, J.-P., see A. Berry 111 (2001) 219-229
- Borndörfer, R. and R. Weismantel, Discrete relaxations of combinatorial programs 112 (2001) 1- 26
- Borodin, O., Preface 114 (2001) 1
- Borodin, O.V., A.V. Kostochka, A. Raspaud and E. Sopena, Acyclic colouring of 1-planar graphs 114 (2001) 29- 41
- Boros, E., P.L. Hammer, F. Ricca and B. Simeone, Combinatorial problems related to origin-destination matrices 115 (2001) 15- 36
- Boudot, F., B. Schoenmakers and J. Traoré, A fair and efficient solution to the socialist millionaires' problem 111 (2001) 23- 36
- Brandt, S., Triangle-free graphs and forbidden subgraphs 120 (2002) 25- 33
- Brinkmann, G., U.v. Nathusius and A.H.R. Palser, A constructive enumeration of nanotube caps 116 (2002) 55- 71
- Broersma, H., see U. Faigle 120 (2002) 1
- Broersma, H.J. and L. Xiong, A note on minimum degree conditions for supereulerian graphs 120 (2002) 35- 43
- Broersma, H.J. and X. Li, Some approaches to a conjecture on short cycles in digraphs 120 (2002) 45- 52
- Broersma, H.J., see D. Bauer 120 (2002) 13- 23

- Caha, R. and V. Koubek, Optimal embeddings of odd ladders into a hypercube 116 (2002) 73-102
- Caprara, A. and P. Toth, Lower bounds and algorithms for the 2-dimensional vector packing problem 111 (2001) 231-262
- Caprara, A., F. Malucelli and D. Pretolani, On bandwidth-2 graphs 117 (2002) 1- 14
- Carlet, C., Foreword 111 (2001) 1
- Cavalcante, C.C.B., C.C. de Souza, M.W.P. Savelsbergh, Y. Wang and L.A. Wolsey, Scheduling projects with labor constraints 112 (2001) 27- 52
- Cechlárová, K., On the complexity of exchange-stable roommates 116 (2002) 279-287
- Chang, G.J., see M.-S. Chang 116 (2002) 103-113
- Chang, G.J., S.-C. Liaw and H.-G. Yeh, k -Subdomination in graphs 120 (2002) 55- 60
- Chang, M.-S., S.-C. Wu, G.J. Chang and H.-G. Yeh, Domination in distance-hereditary graphs 116 (2002) 103-113
- Chang, Y.I., see R.I. Becker 118 (2002) 25- 42
- Chartrand, G., J.F. Fink and P. Zhang, Convexity in oriented graphs 116 (2002) 115-126
- Chashkin, A.V., Average case complexity for finite Boolean functions 114 (2001) 43- 59
- Chashkin, A.V., Lower bounds for the complexity of restrictions of Boolean functions 114 (2001) 61- 93
- Cheng, E. and M.J. Lipman, Vulnerability issues of star graphs, alternating group graphs and split-stars: strength and toughness 118 (2002) 163-179
- Cherukhin, D.U., On an infinite sequence of improving Boolean bases 114 (2001) 95-108
- Chlebíková, J., The structure of obstructions to treewidth and pathwidth 120 (2002) 61- 71
- Choi, H.-A., see S.-K. Lee 117 (2002) 133-148
- Confessore, G., P. Dell'Olmo and S. Giordani, An approximation result for a periodic allocation problem 112 (2001) 53- 72
- Confessore, G., P. Dell'Olmo and S. Giordani, An approximation result for the interval coloring problem on claw-free chordal graphs 120 (2002) 73- 90
- Corneil, D.G., F.F. Dragan, M. Habib and C. Paul, Diameter determination on restricted graph families 113 (2001) 143-166
- Crainic, T.G., A. Frangioni and B. Gendron, Bundle-based relaxation methods for multicommodity capacitated fixed charge network design 112 (2001) 73- 99
- Czygrinow, A., Partitioning problems in dense hypergraphs 116 (2002) 179-191
- Dahlhaus, E., Minimal elimination ordering for graphs of bounded degree 116 (2002) 127-143
- Daneshmand, S.V., see T. Polzin 112 (2001) 241-261

- Daneshmand, S.V., see T. Polzin 112 (2001) 263–300
- Dankelmann, P., W. Goddard, O.R. Oellermann and H.C. Swart, Augmenting trees so that every three vertices lie on a cycle 116 (2002) 145–159
- de Figueiredo, C.M.H. and K. Vušković, Recognition of quasi-Meyniel graphs 113 (2001) 255–260
- de Figueiredo, C.M.H., J. Gimbel, C.P. Mello and J.L. Szwarcfiter, A note on transitive orientations with maximum sets of sources and sinks 120 (2002) 91–95
- Dell'Amico, M., S. Martello and D. Vigo, A lower bound for the non-oriented two-dimensional bin packing problem 118 (2002) 13–24
- Dell'Olmo, P., see G. Confessore 112 (2001) 53–72
- Dell'Olmo, P., see G. Confessore 120 (2002) 73–90
- de Pina, J.C., see H. van der Holst 120 (2002) 251–261
- Demaine, E., see T. Biedl 117 (2002) 293–297
- Demaine, M., see T. Biedl 117 (2002) 293–297
- de Souza, C.C., see C.C.B. Cavalcante 112 (2001) 27–52
- de Souza, C.C., see C.E. Ferreira 116 (2002) 161–177
- Deza, A., see D. Avis 115 (2001) 3–14
- Ding, C., T. Kløve and F. Sica, Two classes of ternary codes and their weight distributions 111 (2001) 37–53
- Dragan, F.F., see D.G. Corneil 113 (2001) 143–166
- Duursma, I., From weight enumerators to zeta functions 111 (2001) 55–73
- Easton, T. and R.G. Parker, On completing latin squares 113 (2001) 167–181
- Epstein, L., see Y. Azar 119 (2002) 169–180
- Evdokimov, A.A. and A.L. Perezhgin, Minimal enumerations of subsets of a finite set and the middle level problem 114 (2001) 109–114
- Fachini, E. and A. Nilli, Recursive bounds for perfect hashing 111 (2001) 307–311
- Faigle, U., H. Broersma and J. Hurink, Foreword 120 (2002) 1
- Fernández-Baca, D., T. Seppäläinen and G. Slutzki, Bounds for parametric sequence comparison 118 (2002) 181–198
- Ferreira, C.E., C.C. de Souza and Y. Wakabayashi, Rearrangement of DNA fragments: a branch-and-cut algorithm 116 (2002) 161–177
- Ferrero, D. and C. Padró, Connectivity and fault-tolerance of hyperdigraphs 117 (2002) 15–26
- Fertin, G., see O. Baudon 113 (2001) 43–58
- Fiala, J., T. Kloks and J. Kratochvíl, Fixed-parameter complexity of λ -labelings 113 (2001) 59–72
- Fields, J.E., P. Gaborit, W.C. Huffman and V. Pless, On the classification of extremal even formally self-dual codes of lengths 20 and 22 111 (2001) 75–86

- Fink, J.F., see G. Chartrand 116 (2002) 115–126
- Fiorini, S., Determining the automorphism group of the linear ordering polytope 112 (2001) 121–128
- Fischermann, M. and L. Volkmann, Graphs having distance- n domination number half their order 120 (2002) 97–107
- Fitzpatrick, P., see K. Lally 111 (2001) 157–175
- Flammini, M., see C. Arbib 120 (2002) 3–12
- Flocchini, P., F. Geurts and N. Santoro, Optimal irreversible dynamos in chordal rings 113 (2001) 23–42
- Fouquet, J.-L. and G. Hahn, Note Cycle regular graphs need not be transitive 113 (2001) 261–264
- Fragopoulou, P., see D. Barth 116 (2002) 37–54
- Frangioni, A., see T.G. Crainic 112 (2001) 73–99
- Frank, A., T. Jordán and Z. Szigeti, An orientation theorem with parity conditions 115 (2001) 37–47
- Freixas, J. and M.A. Puente, A note about games-composition dimension 113 (2001) 265–273
- Frid, A.E., On factor graphs of DOL words 114 (2001) 121–130
- Frid, A.E., On the subword complexity of iteratively generated infinite words 114 (2001) 115–120
- Fu, F.-W., V.K. Wei and R.W. Yeung, On the minimum average distance of binary codes: linear programming approach 111 (2001) 263–281
- Fujito, T. and H. Nagamochi, A 2-approximation algorithm for the minimum weight edge dominating set problem 118 (2002) 199–207
- Gaborit, P., see J.E. Fields 111 (2001) 75–86
- Gabow, H.N. and T. Jordán, Bipartition constrained edge-splitting in directed graphs 115 (2001) 49–62
- Gajardo, A., A. Moreira and E. Goles, Complexity of Langton's ant 117 (2002) 41–50
- Galbiati, G., On the approximation of the Minimum Disturbance p -Facility Location Problem 118 (2002) 73–83
- Ganjali, Y.G., M. Ghebleh, H. Hajiabolhassan, M. Mirzazadeh and B.S. Sadjad, Uniquely 2-list colorable graphs 119 (2002) 217–225
- Garrido, M.A., A. Márquez, A. Morgana and J.R. Portillo, Single bend wiring on surfaces 117 (2002) 27–40
- Gärtner, J., see N. Musliu 118 (2002) 85–98
- Ge, G., see R.J.R. Abel 116 (2002) 1–15
- Gendron, B., see T.G. Crainic 112 (2001) 73–99
- Geurts, F., see P. Flocchini 113 (2001) 23–42
- Ghebleh, M., see Y.G. Ganjali 119 (2002) 217–225
- Gimbel, J., see C.M.H. de Figueiredo 120 (2002) 91–95
- Gimbert, J. and Y. Wu, The underlying line digraph structure of some $(0, 1)$ -matrix equations 116 (2002) 289–296
- Giordani, S., see G. Confessore 112 (2001) 53–72
- Giordani, S., see G. Confessore 120 (2002) 73–90

- Glover, F. and S. Hanafi, Tabu search and finite convergence 119 (2002) 3–35
- Goddard, W., see P. Dankelmann 116 (2002) 145–159
- Goles, E., see A. Gajardo 117 (2002) 41–50
- Goles, E., M. Morvan and H.D. Phan, Sandpiles and order structure of integer partitions 117 (2002) 51–64
- Gouveia, L. and J.M. Pires, The asymmetric travelling salesman problem: on generalizations of disaggregated Miller–Tucker–Zemlin constraints 112 (2001) 129–145
- Granot, D., see T.E. Tzoreff 116 (2002) 193–229
- Granot, F., see T.E. Tzoreff 116 (2002) 193–229
- Gravier, S., D. Kobler and W. Kubiak, Complexity of list coloring problems with a fixed total number of colors 117 (2002) 65–79
- Guo, X., P. Hansen and M. Zheng, Boundary uniqueness of fusenes 118 (2002) 209–222
- Guo, Y. and J.H. Kwak, The cycle structure of regular multipartite tournaments 120 (2002) 109–116
- Guritman, S., F. Hoogweg and J. Simonis, The degree of functions and weights in linear codes 111 (2001) 87–102
- Gutin, G. and A. Punnen, 119 (2002) 1–2
- Gutin, G., A. Yeo and A. Zverovich, Traveling salesman should not be greedy: domination analysis of greedy-type heuristics for the TSP 117 (2002) 81–86
- Gutin, G.Z. and A. Yeo, Polynomial approximation algorithms for the TSP and the QAP with a factorial domination number the memory of the first author's father 119 (2002) 107–116
- Habib, M., see D.G. Corneil 113 (2001) 143–166
- Hadany, R. and D. Harel, A multi-scale algorithm for drawing graphs nicely 113 (2001) 3–21
- Hahn, G., see J.-L. Fouquet 113 (2001) 261–264
- Hajiabolhassan, H., see Y.G. Ganjali 119 (2002) 217–225
- Hamacher, H.W. and K.-H. Küfer, Inverse radiation therapy planning — a multiple objective optimization approach 118 (2002) 145–161
- Hammer, P.L., see E. Boros 115 (2001) 15–36
- Hanafi, S., see F. Glover 119 (2002) 3–35
- Hansen, P., see X. Guo 118 (2002) 209–222
- Harel, D., see R. Hadany 113 (2001) 3–21
- Harmuth, T., An inductive definition of cubic toroidal maps 120 (2002) 117–140
- Hartmann, M. and Ö. Özlük, Facets of the p -cycle polytope 112 (2001) 147–178
- Hartvigsen, D., A strongly polynomial time algorithm for a constrained submodular optimization problem 113 (2001) 183–194
- Hassin, R., see E.M. Arkin 116 (2002) 271–278

- Hauptmeier, D., S.O. Krumke, J. Rambau and H.-C. Wirth, Euler is standing in line dial-a-ride problems with precedence-constraints 113 (2001) 87-107
- Havel, I., see O. Baudon 113 (2001) 43- 58
- Hell, P. and M. Rosenfeld, Antidirected hamiltonian paths between specified vertices of a tournament 117 (2002) 87- 98
- Heydemann, M.-C., see D. Barth 116 (2002) 37- 54
- Hideyuki, U., see I. Hiro 115 (2001) 63- 71
- Hiro, I., U. Hideyuki and Y. Mitsuo, Lengths of tours and permutations on a vertex set of a convex polygon 115 (2001) 63- 71
- Hoffman, A.J. and B. Schieber, The edge versus path incidence matrix of series parallel graphs and greedy packing 113 (2001) 275-284
- Honkala, J., Easy cases of the D0L sequence equivalence problem 113 (2001) 285-290
- Honkala, J., On infinite words generated by polynomial D0L systems 116 (2002) 297-305
- Hoogweg, F., see S. Guritman 111 (2001) 87-102
- Hosono, K. and K. Matsuda, On the perfect matching of disjoint compact sets by noncrossing line segments in \mathbb{R}^n 118 (2002) 223-238
- Hosono, K., H. Meijer and D. Rappaport, On the visibility graph of convex translates 113 (2001) 195-210
- Hosono, K., On an estimate of the size of the maximum matching for a family of disjoint compact convex sets in the plane 113 (2001) 291-298
- Hou, Y., On acyclic systems with minimal Hosoya index 119 (2002) 227-250
- Huffman, W.C., see J.E. Fields 111 (2001) 75- 86
- Hurink, J. and J. Keuchel, Local search algorithms for a single-machine scheduling problem with positive and negative time-lags 112 (2001) 179-197
- Hurink, J. and S. Knust, Makespan minimization for flow-shop problems with transportation times and a single robot 112 (2001) 199-216
- Hurink, J. and S. Knust, A tabu search algorithm for scheduling a single robot in a job-shop environment 119 (2002) 181-203
- Hurink, J., see U. Faigle 120 (2002) 1
- Hurley, S., see S.M. Allen 119 (2002) 59- 78
- Hwang, F.K. and J.S. Lee, Optimal quantitative group testing on cycles and paths 113 (2001) 299-302
- Hwang, F.K. and W. Zang, Group testing and fault detection for replicated files 116 (2002) 231-242
- Ibaraki, T., see N. Katoh 115 (2001) 1- 2
- Il'ev, V.P., An approximation guarantee of the greedy descent algorithm for minimizing a supermodular set function 114 (2001) 131-146
- Ishii, H., see T. Koide 115 (2001) 135-149

- Jacobson, S.H., see A.W. Johnson 119 (2002) 37–57
- Jaumard, B., O. Marcotte, C. Meyer and T. Vovor, Comparison of column generation models for channel assignment in cellular networks 112 (2001) 217–240
- Jaumard, B., O. Marcotte, C. Meyer and T. Vovor, Erratum to “Comparison of column generation models for channel assignment in cellular networks” [Discrete Appl. Math. 112 (2001) 217–240] 118 (2002) 317–322
- Jha, P.K., Smallest independent dominating sets in Kroenecker products of cycles 113 (2001) 303–306
- Ji, Y., see J. Meng 117 (2002) 183–193
- Johann, P., A group testing problem for graphs with several defective edges 117 (2002) 99–108
- Johnson, A.W. and S.H. Jacobson, On the convergence of generalized hill climbing algorithms 119 (2002) 37–57
- Johnson, C.R., M. Lundquist, T.J. Lundy and J.S. Maybee, Deterministic inverse zero-patterns 113 (2001) 211–236
- Jordán, T., see A. Frank 115 (2001) 37–47
- Jordán, T., see H.N. Gabow 115 (2001) 49–62
- Jünger, M. and V. Kaibel, The QAP-polytope and the star transformation 111 (2001) 283–306
- Kabadi, S.N., New polynomially solvable classes and a new heuristic for the traveling salesman problem and its generalization 119 (2002) 149–167
- Kabadi, Santosh, see Abraham Punnen 119 (2002) 117–128
- Kaibel, V., see M. Jünger 111 (2001) 283–306
- Kaneko, A., Spanning trees with constraints on the leaf degree 115 (2001) 73–76
- Károlyi, G. and E. Welzl, Crossing-free segments and triangles in point configurations 115 (2001) 77–88
- Kashiwabara, K., Subdivisions of integral base polytopes 115 (2001) 89–97
- Kashyurskikh, K.N., C.N. Potts and S.V. Sevastianov, A $3/2$ -approximation algorithm for two-machine flow-shop sequencing subject to release dates 114 (2001) 255–271
- Kasim-Zade, O.M., On minimal coverings of the Boolean cube by centered antichains 114 (2001) 147–153
- Katoh, N., T. Ibaraki and A. Recski, Preface 115 (2001) 1–2
- Katona, G.Y., A large set of non-Hamiltonian graphs 115 (2001) 99–115
- Kemin, Z., see K.-W. Li 119 (2002) 259–264
- Kerivin, H., see M.D. Biha 112 (2001) 101–120
- Keuchel, J., see J. Hurink 112 (2001) 179–197
- Kinoshita, H., see T. Yamada 118 (2002) 279–291
- Klavžar, S., U. Milutinović and C. Petr, On the Frame-Stewart algorithm for the multi-peg Tower of Hanoi problem 120 (2002) 141–157

- Klepinin, A.V. and E.V. Sukhanov, On combinatorial properties of the Arshon sequence 114 (2001) 155–169
- Kloks, T. and R.B. Tan, Bandwidth and topological bandwidth of graphs with few P_4 's 115 (2001) 117–133
- Kloks, T., see J. Fiala 113 (2001) 59–72
- Kløve, T., see C. Ding 111 (2001) 37–53
- Knudsen, L. and D. Wagner, On the structure of Skipjack 111 (2001) 103–116
- Knust, S., see J. Hurink 112 (2001) 199–216
- Knust, S., see J. Hurink 119 (2002) 181–203
- Ko, M.-T., see C.L. Lu 119 (2002) 227–250
- Kobler, D., see S. Gravier 117 (2002) 65–79
- Koide, T., S. Shinmori and H. Ishii, Topological optimization with a network reliability constraint 115 (2001) 135–149
- Korshunov, A.D., On the asymptotics of the number of binary words with a given length of a maximal series 114 (2001) 171–201
- Kostochka, A.V., see O.V. Borodin 114 (2001) 29–41
- Koubek, V., see R. Caha 116 (2002) 73–102
- Kratochvíl, J., see J. Fiala 113 (2001) 59–72
- Krumke, S.O., see D. Hauptmeier 113 (2001) 87–107
- Kubiak, W., see S. Gravier 117 (2002) 65–79
- Küfer, K.-H., see H.W. Hamacher 118 (2002) 145–161
- Kumar, P.S. and C.E.V. Madhavan, Clique tree generalization and new subclasses of chordal graphs 117 (2002) 109–131
- Kuzmin, A. and A. Nechaev, Complete weight enumerators of generalized Kerdock code and related linear codes over Galois ring 111 (2001) 117–137
- Kwak, J.H., see Y. Guo 120 (2002) 109–116
- Labbé, M., Preface 112 (2001) 1–1
- Lagorce, N., A convolutional-like approach to p -adic codes 111 (2001) 139–155
- Lally, K. and P. Fitzpatrick, Algebraic structure of quasicyclic codes 111 (2001) 157–175
- Lam, P.C.B., W.C. Shiu, C.S. Tong and Z.F. Zhang, On the equitable chromatic number of complete n -partite graphs 113 (2001) 307–310
- Lari, I., see R.I. Becker 118 (2002) 25–42
- Lawrencenko, S., M.D. Plummer and X. Zha, Bounds for isoperimetric constants of infinite plane graphs 113 (2001) 237–241
- Lazard, S., see T. Biedl 117 (2002) 293–297
- Lee, J.S., see F.K. Hwang 113 (2001) 299–302
- Lee, S.-K., A. Du Oh and H.-A. Choi, Transmission schedules for hypercube interconnection in WDM optical passive star networks 117 (2002) 133–148
- Levit, V.E. and E. Mandrescu, Combinatorial properties of the family of maximum stable sets of a graph 117 (2002) 149–161
- Levner, E., see D. Blokh 119 (2002) 139–148
- Li, X., B. Wei and F. Yang, A degree condition of 2-factors in bipartite graphs 113 (2001) 311–318

- Li, X., see H.J. Broersma 120 (2002) 45–52
- Liang, W., Finding the k most vital edges with respect to minimum spanning trees for fixed k 113 (2001) 319–327
- Liaw, S.-C., see G.J. Chang 120 (2002) 55–60
- Lih, K.-W., S. Zengmin, W. Weifan and Z. Kemin, Edge-pancyclicity of coupled graphs 119 (2002) 259–264
- Lipman, M.J., see E. Cheng 118 (2002) 163–179
- Lu, C.L., M.-T. Ko and C.Y. Tang, Perfect edge domination and efficient edge domination in graphs 119 (2002) 227–250
- Lubiw, A., see T. Biedl 117 (2002) 293–297
- Luczak, M.J. and S.D. Noble, Optimal arrangement of data in a tree directory 113 (2001) 243–253
- Lundquist, M., see C.R. Johnson 113 (2001) 211–236
- Lundy, T.J., see C.R. Johnson 113 (2001) 211–236
- Lung Lu, C. and C. Yi Tang, Weighted efficient domination problem on some perfect graphs 117 (2002) 163–182
- Madhavan, C.E.V., see P.S. Kumar 117 (2002) 109–131
- Maffioli, F., see F. Malucelli 118 (2002) 1–2
- Mahdian, M., On the computational complexity of strong edge coloring 118 (2002) 239–248
- Mahjoub, A.R., see M.D. Biha 112 (2001) 101–120
- Malucelli, F. and F. Maffioli, Preface 118 (2002) 1–2
- Malucelli, F., see A. Caprara 117 (2002) 1–14
- Mandrescu, E., see V.E. Levit 117 (2002) 149–161
- Marchant, T., Cooperative phenomena in crystals and the probability of tied Borda count elections 119 (2002) 265–271
- Marchenkov, S.S., A -closed classes of idempotent functions of many-valued logic definable by binary relations 114 (2001) 203–225
- Marcotte, O., see B. Jaumard 112 (2001) 217–240
- Marcotte, O., see B. Jaumard 118 (2002) 317–322
- Márquez, A., see M.A. Garrido 117 (2002) 27–40
- Martello, S., see M. Dell'Amico 118 (2002) 13–24
- Matsuda, K., see K. Hosono 118 (2002) 223–238
- Mattavelli, M., see E. Amaldi 118 (2002) 115–143
- Maybee, J.S., see C.R. Johnson 113 (2001) 211–236
- McKee, T.A., Chordally signed graphs 119 (2002) 273–280
- Mei, L. and Y. Zhengguang, Cycles of length 1 modulo 3 in graph 113 (2001) 329–336
- Meijer, H., see K. Hosono 113 (2001) 195–210
- Mello, C.P., see C.M.H. de Figueiredo 120 (2002) 91–95
- Meng, J. and Y. Ji, On a kind of restricted edge connectivity of graphs 117 (2002) 183–193
- Merekin, Yu.V., Upper bounds for the complexity of sequences generated by symmetric Boolean functions 114 (2001) 227–231
- Meyer, C., see B. Jaumard 112 (2001) 217–240

- Meyer, C., see B. Jaumard 118 (2002) 317-322
- Milutinović, U., see S. Klavžar 120 (2002) 141-157
- Mingozzi, A. and S. Morigi, Partitioning a matrix with non-guillotine cuts to minimize the maximum cost 116 (2002) 243-260
- Mirzazadeh, M., see Y.G. Ganjali 119 (2002) 217-225
- Mitsuo, Y., see I. Hiro 115 (2001) 63-71
- Morales, D., see H.E. Romeijn 112 (2001) 301-328
- Moreira, A., see A. Gajardo 117 (2002) 41-50
- Morgana, A., see M.A. Garrido 117 (2002) 27-40
- Morgana, A., see D. Bauer 120 (2002) 13-23
- Morigi, S., see A. Mingozzi 116 (2002) 243-260
- Morvan, M., see E. Goles 117 (2002) 51-64
- Mosheiov, G., Complexity analysis of job-shop scheduling with deteriorating jobs 117 (2002) 195-209
- Murota, K. and A. Shioura, Relationship of M-/L-convex functions with discrete convex functions by Miller and Favati-Tardella 115 (2001) 151-176
- Musliu, N., J. Gärtner and W. Slany, Efficient generation of rotating workforce schedules 118 (2002) 85-98
- Nagamochi, H., see T. Fujito 118 (2002) 199-207
- Nakamura, M., A single-element extension of antimatroids 120 (2002) 159-164
- Natanzon, A., R. Shamir and R. Sharan, Complexity classification of some edge modification problems 113 (2001) 109-128
- Nathusius, U.v., see G. Brinkmann 116 (2002) 55-71
- Nechaev, A., see A. Kuzmin 111 (2001) 117-137
- Neudauer, N.A., Graph representations of a bicircular matroid 118 (2002) 249-262
- Nicosia, G., D. Pacciarelli and A. Pacifici, Optimally balancing assembly lines with different workstations 118 (2002) 99-113
- Niedermeier, R., K. Reinhardt and P. Sanders, Towards optimal locality in mesh-indexings 117 (2002) 211-237
- Nielsen, J., see P. Winter 118 (2002) 55-72
- Nikolopoulos, S.D., Coloring permutation graphs in parallel 120 (2002) 165-195
- Nilli, A., see E. Fachini 111 (2001) 307-311
- Nishizeki, T., J. Vygen and X. Zhou, The edge-disjoint paths problem is NP-complete for series-parallel graphs 115 (2001) 177-186
- Noble, S.D., see M.J. Luczak 113 (2001) 243-253
- Nyberg, K., Correlation theorems in cryptanalysis 111 (2001) 177-188
- Oellermann, O.R., see P. Dankelmann 116 (2002) 145-159
- Oh, A.Du, see S.-K. Lee 117 (2002) 133-148
- O'Rourke, J., see T. Biedl 117 (2002) 293-297
- Östergård, P.R.J., A fast algorithm for the maximum clique problem 120 (2002) 197-207
- Özlük, Ö., see M. Hartmann 112 (2001) 147-178

- Pacciarelli, D., see G. Nicosia 118 (2002) 99–113
- Pacifici, A., see G. Nicosia 118 (2002) 99–113
- Padró, C., see D. Ferrero 117 (2002) 15–26
- Palser, A.H.R., see G. Brinkmann 116 (2002) 55–71
- Pantović, J., R. Tošić and G. Vojvodić, Relative completeness with respect to two unary functions 113 (2001) 337–342
- Parker, R.G., see T. Easton 113 (2001) 167–181
- Paul, C., see D.G. Corneil 113 (2001) 143–166
- Paul, J.L., see K.A. Berman 118 (2002) 293–316
- Păun, G., N. Santean, G. Thierrin and S. Yu, On the robustness of primitive words 117 (2002) 239–252
- Pérez-Brito, D., see A. Tamir 118 (2002) 263–278
- Perezhogin, A.L., see A.A. Evdokimov 114 (2001) 109–114
- Petr, C., see S. Klavžar 120 (2002) 141–157
- Phan, H.D., see E. Goles 117 (2002) 51–64
- Pires, J.M., see L. Gouveia 112 (2001) 129–145
- Pless, V., see J.E. Fields 111 (2001) 75–86
- Plummer, M.D., see S. Lawrencenko 113 (2001) 237–241
- Polzin, T. and S.V. Daneshmand, A comparison of Steiner tree relaxations 112 (2001) 241–261
- Polzin, T. and S.V. Daneshmand, Improved algorithms for the Steiner problem in networks 112 (2001) 263–300
- Portillo, J.R., see M.A. Garrido 117 (2002) 27–40
- Potts, C.N., see K.N. Kashyrskikh 114 (2001) 255–271
- Pretolani, D., see A. Caprara 117 (2002) 1–14
- Puech, J., see D. Barth 119 (2002) 205–216
- Puente, M.A., see J. Freixas 113 (2001) 265–273
- Puerto, J., see A. Tamir 118 (2002) 263–278
- Punnen Abraham and Santosh Kabadi, Domination analysis of some heuristics for the traveling salesman problem 119 (2002) 117–128
- Punnen, A., see G. Gutin 119 (2002) 1–2
- Pyatkin, A.V., The incidentor coloring of multigraphs and its applications 120 (2002) 209–217
- Rada, J. and O. Araujo, Higher order connectivity index of starlike trees 119 (2002) 287–295
- Radics, N., Rigidity of multi-story buildings 115 (2001) 187–198
- Rambau, J., see D. Hauptmeier 113 (2001) 87–107
- Randerath, B., I. Schiermeyer, M. Tewes and L. Volkmann, Vertex pancyclic graphs 120 (2002) 219–237
- Rappaport, D., see K. Hosono 113 (2001) 195–210
- Raspaud, A., see O.V. Borodin 114 (2001) 29–41
- Recski, A., Some polynomially solvable subcases of the detailed routing problem in VLSI design 115 (2001) 199–108
- Recski, A., see N. Katoh 115 (2001) 1–2
- Reinhardt, K., see R. Niedermeier 117 (2002) 211–237

- Ribeiro, C.C. and M.C. Souza, Variable neighborhood search for the degree-constrained minimum spanning tree problem 118 (2002) 43–54
- Ricca, F., see E. Boros 115 (2001) 15–36
- Robbins, S., see T. Biedl 117 (2002) 293–297
- Roditty, Y., see A. Averbuch 113 (2001) 129–141
- Romeijn, H.E. and D. Morales, A probabilistic analysis of the multi-period single-sourcing problem 112 (2001) 301–328
- Rosenfeld, M., see P. Hell 117 (2002) 87–98
- Sadjad, B.S., see Y.G. Ganjali 119 (2002) 217–225
- Sakuma, T., On kernel-less clique-acyclic orientations of minimally imperfect graphs 115 (2001) 209–219
- Sanders, P., see R. Niedermeier 117 (2002) 211–237
- Santean, N., see G. Păun 117 (2002) 239–252
- Santoro, N., see P. Flocchini 113 (2001) 23–42
- Sapozhenko, A.A., On the number of connected sets with the neighborhood of a given size in a graph 114 (2001) 233–247
- Savelsbergh, M.W.P., see C.C.B. Cavalcante 112 (2001) 27–52
- Schieber, B., see A.J. Hoffman 113 (2001) 275–284
- Schiermeyer, I., see B. Randerath 120 (2002) 219–237
- Schmeichel, E., see D. Bauer 120 (2002) 13–23
- Schoenmakers, B., see F. Boudot 111 (2001) 23–36
- Schwikowski, B. and E. Speckenmeyer, On enumerating all minimal solutions of feedback problems 117 (2002) 253–265
- Scozzari, A., see R.I. Becker 118 (2002) 25–42
- Seppäläinen, T., see D. Fernández-Baca 118 (2002) 181–198
- Serdjukov, A.I., On finding a maximum spanning tree of bounded radius 114 (2001) 249–253
- Sevastianov, S.V. and G.J. Woeginger, Linear time approximation scheme for the multiprocessor open shop problem 114 (2001) 273–288
- Sevastianov, S.V., see K.N. Kashyrskikh 114 (2001) 255–271
- Shamir, R., see A. Natanzon 113 (2001) 109–128
- Sharan, R., see A. Natanzon 113 (2001) 109–128
- Shim, S., J. Širáň and J. Žerovnik, Counterexamples to the uniform shortest path routing conjecture for vertex-transitive graphs 119 (2002) 281–286
- Shinmori, S., see T. Koide 115 (2001) 135–149
- Shioura, A., see K. Murota 115 (2001) 151–176
- Shiu, W.C., see P.C.B. Lam 113 (2001) 307–310
- Shoham, B., see A. Averbuch 113 (2001) 129–141
- Sica, F., see C. Ding 111 (2001) 37–53
- Simeone, B., see E. Boros 115 (2001) 15–36
- Simonis, J., see S. Guritman 111 (2001) 87–102
- Širáň, J., see S. Shim 119 (2002) 281–286
- Slany, W., see N. Musliu 118 (2002) 85–98

- Slutzki, G., see D. Fernández-Baca 118 (2002) 181-198
- Smith, D.H., see S.M. Allen 119 (2002) 59- 78
- Solov'eva, F.I., Structure of i -components of perfect binary codes 111 (2001) 189-197
- Sopena, E., see O.V. Borodin 114 (2001) 29- 41
- Sošić, G., see T.E. Tzoreff 116 (2002) 193-229
- Souza, M.C., see C.C. Ribeiro 118 (2002) 43- 54
- Speckenmeyer, E., see B. Schwikowski 117 (2002) 253-265
- Steffan, J., see H.-C. Wirth 113 (2001) 73- 85
- Storchi, G., see R.I. Becker 118 (2002) 25- 42
- Streinu, I., see T. Biedl 117 (2002) 293-297
- Sukhanov, E.V., see A.V. Klepinin 114 (2001) 155-169
- Swart, H.C., see P. Dankelmann 116 (2002) 145-159
- Szigeti, Z., see A. Frank 115 (2001) 37- 47
- Szwarcfiter, J.L., see C.M.H. de Figueiredo 120 (2002) 91- 95
- Tamir, A., J. Puerto and D. Pérez-Brito, The centdian subtree on tree networks 118 (2002) 263-278
- Tan, R.B., see T. Kloks 115 (2001) 117-133
- Tang, C.Y., see C.L. Lu 119 (2002) 227-250
- Tewes, M., see B. Randerath 120 (2002) 219-237
- Tewes, M., Pancyclic orderings of in-tournaments 120 (2002) 239-249
- Thierrin, G., see G. Păun 117 (2002) 239-252
- Tichler, K., Minimum matrix representation of some key system 117 (2002) 267-277
- Tong, C.S., see P.C.B. Lam 113 (2001) 307-310
- Tošić, R., see J. Pantović 113 (2001) 337-342
- Toth, P., see A. Caprara 111 (2001) 231-262
- Toussaint, G., see T. Biedl 117 (2002) 293-297
- Traoré, J., see F. Boudot 111 (2001) 23- 36
- Tzoreff, T.E., D. Granot, F. Granot and G. Sošić, The vehicle routing problem with pickups and deliveries on some special graphs 116 (2002) 193-229
- Vainshtein, A., see I. Basov 119 (2002) 129-138
- Valembois, A., Detection and recognition of a binary linear code 111 (2001) 199-218
- van der Holst, H. and J.C. de Pina, Length-bounded disjoint paths in planar graphs 120 (2002) 251-261
- van Zanten, A.J., Cyclic distance-preserving codes on an constant-weight basis 114 (2001) 289-294
- Vesel, A., Recognizing pseudo-median graphs 116 (2002) 261-269
- Vigo, D., see M. Dell'Amico 118 (2002) 13- 24
- Vizing, V.G., On connected list colorings of graphs 114 (2001) 295-300
- Vojvodić, G., see J. Pantović 113 (2001) 337-342
- Volkman, L., see M. Fischermann 120 (2002) 97-107
- Volkman, L., see B. Randerath 120 (2002) 219-237

- Vovor, T., see B. Jaumard 112 (2001) 217-240
 Vovor, T., see B. Jaumard 118 (2002) 317-322
 Vušković, K., see C.M.H. de Figueiredo 113 (2001) 255-260
 Vygen, J., see T. Nishizeki 115 (2001) 177-186
- Wagner, D., see L. Knudsen 111 (2001) 103-116
 Wakabayashi, Y., see C.E. Ferreira 116 (2002) 161-177
 Walther, H., Polyhedral graphs with extreme numbers of types of faces 120 (2002) 263-274
 Wang, Y., see C.C.B. Cavalcante 112 (2001) 27- 52
 Wei, B., see X. Li 113 (2001) 311-318
 Wei, V.K., see F.-W. Fu 111 (2001) 263-281
 Weifan, W., see K.-W. Lih 119 (2002) 259-264
 Weinreich, D., see J. Balogh 116 (2002) 17- 36
 Weismantel, R., see R. Borndörfer 112 (2001) 11- 26
 Welzl, E., see G. Károlyi 115 (2001) 77- 88
 Whitesides, S., see T. Biedl 117 (2002) 293-297
 Winter, P., M. Zachariasen and J. Nielsen, Short trees in polygons 118 (2002) 55- 72
 Wirth, H.-C. and J. Steffan, Reload cost problems: minimum diameter spanning tree 113 (2001) 73- 85
 Wirth, H.-C., see D. Hauptmeier 113 (2001) 87-107
 Woeginger, G.J., see S.V. Sevastianov 114 (2001) 273-288
 Wolkowicz, H., see M.F. Anjos 119 (2002) 79-106
 Wolsey, L.A., see C.C.B. Cavalcante 112 (2001) 27- 52
 Wu, S.-C., see M.-S. Chang 116 (2002) 103-113
 Wu, Y., see J. Gimbert 116 (2002) 289-296
- Xiong, L., see H.J. Broersma 120 (2002) 35- 43
- Yamada, T. and H. Kinoshita, Finding all the negative cycles in a directed graph 118 (2002) 279-291
 Yang, F., see X. Li 113 (2001) 311-318
 Yanushkevich, S.N., Matrix and combinatorics solutions of Boolean differential equations 117 (2002) 279-292
 Yeh, H.-G., see M.-S. Chang 116 (2002) 103-113
 Yeh, H.-G., see G.J. Chang 120 (2002) 55- 60
 Yeo, A., see G. Gutin 117 (2002) 81- 86
 Yeo, A., see G.Z. Gutin 119 (2002) 107-116
 Yeung, R.W., see F.-W. Fu 111 (2001) 263-281
 Yi Tang, C., see C. Lung Lu 117 (2002) 163-182
 Yu, S., see G. Păun 117 (2002) 239-252
 Yüceer, Ü., Discrete convexity: convexity for functions defined on discrete spaces 119 (2002) 297-304
- Zachariasen, M., see P. Winter 118 (2002) 55- 72
 Zang, W., see F.K. Hwang 116 (2002) 231-242

- Zengmin, S., see K.-W. Lih 119 (2002) 259–264
- Žerovnik, J., see S. Shim 119 (2002) 281–286
- Žerovnik, J., see B. Zmazek 120 (2002) 275–302
- Zha, X., see S. Lawrencenko 113 (2001) 237–241
- Zhang, P., see G. Chartrand 116 (2002) 115–126
- Zhang, Z.F., see P.C.B. Lam 113 (2001) 307–310
- Zheng, M., see X. Guo 118 (2002) 209–222
- Zhengguang, Y., see L. Mei 113 (2001) 329–336
- Zhou, X., see T. Nishizeki 115 (2001) 177–186
- Zmazek, B. and J. Žerovnik, Algorithm for recognizing
Cartesian graph bundles 120 (2002) 275–302
- Zverovich, A., see G. Gutin 117 (2002) 81–86
- Zverovich, I.E., Locally bounded hereditary subclasses of
 k -colourable graphs 114 (2001) 301–311



ELSEVIER

Discrete Applied Mathematics 111-120 (2002) 21-24

DISCRETE
APPLIED
MATHEMATICS

Books announcements

Nell Dale and John Lewis

COMPUTER SCIENCE ILLUMINATED

Jones and Bartlett Publishers, Boston

2002, 656 pages

Table of Contents:

Laying the Groundwork

Chapter 1: The Big Picture

The Information Layer

Chapter 2: Binary Values and Number Systems

Chapter 3: Data Representation

The Hardware Layer

Chapter 4: Gates and Circuits

Chapter 5: Computing Components

The Programming Layer

Chapter 6: Problem Solving and Program Design

Chapter 7: Low-Level Programming Languages

Chapter 8: High-Level Programming Languages

Chapter 9: Abstract Data Types and Algorithms

The Operating Systems Layer

Chapter 10: Operating Systems

Chapter 11: File Systems and Directories

The Applications Layer

Chapter 12: Information Systems

Chapter 13: Artificial Intelligence

Chapter 14: Simulation and Other Applications

The Communications Layer

Chapter 15: Networks

Chapter 16: The World Wide Web

In Conclusion

Chapter 17: Limitations of Computing

Answers to Selected Exercises

Glossary

Endnotes

Index

Michael Kirby

GEOMETRIC DATA ANALYSIS: An Empirical Approach to Dimensionality Reduction and the Study of Patterns

John Wiley & Sons, Inc., New York

2001, 363 pages

Table of Contents:

Preface

Acknowledgements

Part I Introduction

Chapter 1: Pattern Analysis as Data Reduction

Chapter 2: Vector Spaces and Linear Transformations

Part II Optimal Orthogonal Pattern Representations

Chapter 3: The Karhunen - Lolve Expansion

Chapter 4: Additional Theory, Algorithms and Applications

Part III Time, Frequency, and Scale Analysis

Chapter 5: Fourier Analysis

Chapter 6: Wavelet Expansions

Part IV Adaptive Nonlinear Mappings

Chapter 7: Radial Basis Functions

Chapter 8: Neural Networks

Chapter 9: Nonlinear Reduction Architectures

Appendix A: Mathematical Preliminaries

References

Index

J. M. T. Thompson and H. B. Stewart

NONLINEAR DYNAMICS AND CHAOS, Second Edition

John Wiley & Sons, Ltd., New York, NY

2002, 437 pages

Table of Contents:

Preface

Preface to the First Edition

Acknowledgements from the First Edition

Chapter 1: Introduction

PART I - Basic Concepts of Nonlinear Dynamics

Chapter 2: An overview of nonlinear phenomena

Chapter 3: Point attractors in autonomous systems

Chapter 4: Limit cycles in autonomous systems

Chapter 5: Periodic attractors in driven oscillators

Chapter 6: Chaotic attractors in forced oscillators

Chapter 7: Stability and bifurcations of equilibria and cycles

PART II - Iterated maps as dynamical systems

Chapter 8: Stability and bifurcation of maps

Chapter 9: Chaotic behavior of one- and two-dimensional maps

PART III - Flows, Outstructures, and Chaos

Chapter 10: The geometry of recurrence

Chapter 11: The Lorenz system

Chapter 12: Rössler's band

Chapter 13: Geometry of bifurcations

PART IV - Applications in the physical sciences

Chapter 14: Subharmonic resonances of an offshore structures

Chapter 15: Chaotic motions of an impacting system

Chapter 16: Escape from a potential well

Appendix

Illustrated Glossary

Bibliography

Online resources

Index

Robert J. McEliece

THE THEORY OF INFORMATION AND CODING, 2ND EDITION

Cambridge University Press

2002 Pages: 397

Table of Contents

Editor's Statement

Section editor's foreword

Preface to the first edition

Preface to the second edition

Introduction

Problems

Notes

Part One: Information Theory

1. Entropy and mutual information
2. Discrete memoryless channels and their capacity-cost functions
3. Discrete memoryless sources and their rate-distortion functions
4. The Gaussian channel and source
5. The source-channel coding theorem
6. Survey of advanced topics for part one

Part two: Coding theory

7. Linear codes
8. Cyclic codes
9. BCH, Reed-Solomon, and related codes
10. Convolutional codes

11. Variable-length source coding
12. Survey of advanced topics for Part two

Appendices

- A. Probability theory
- B. Convex functions and Jensen's inequality
- C. Finite fields
- D. Path enumeration in directed graphs

References

1. General reference textbooks
2. An annotated bibliography of the theory of information and coding
3. Original papers cited in the text

Index of Theorems

Index

Sholom M. Weiss, Nitin Indurkha
PREDICTIVE DATA MINING—A PRACTICAL GUIDE
Morgan Kaufmann Publishers, Inc.
San Francisco, California
1998 Pages: 228

Table of Contents:

Preface

1. What Is Data Mining?
2. Statistical Evaluation for Big Data
3. Preparing the Data
4. Data Reduction
5. Looking for Solutions
6. What's Best for Data Reduction and Mining?
7. Art or Science? Case Studies in Data Mining

Appendix: Data-Miner Software Kit

References

Author Index

Subject Index

Discrete Applied Mathematics

Combinatorial Algorithms, Optimization and Computer Science

Guide for Authors

General

Submission of your manuscript is welcome provided that it, or any translation of it has not been copyrighted or published and is not being submitted for publication elsewhere. Upon acceptance of an article, the author(s) will be asked to transfer copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information. Manuscripts should be prepared for publication in accordance with the instructions given in the "Guide to Authors" (available from the Publisher) details of which are given below.

Types of contributions

The journal welcomes the following types of contributions:

- Original research articles
- Review articles, providing a comprehensive review on a scientific topic
- Fast Communications: Short, self-contained articles on ongoing research, or reporting interesting possibly tentative ideas, or comments on previously published research.

To whom can I submit my manuscript?

Contributions should be written in English and sent in triplicate to:

Carolyn Sterner
(Editorial Manager)
RUTCOR - Rutgers
The State University of New Jersey
640 Bartholomew Road
Piscataway NJ 08854-8003 U.S.A.

General Author Instructions

Each paper should be introduced by three to five keywords and a selfcontained abstract of no more than 100 words, not counting the formulas.

Please make sure that the paper is submitted in its final form. Corrections in the proof stage other than printer's errors should be avoided: costs arising from such corrections will be charged to the authors.

Footnotes should be avoided if possible, but if they are included they should be brief numbered consecutively.

References should be listed alphabetically, as in the following examples: books [1], articles in journals [2], papers in a contributed volume [3, 4], unpublished papers [5].

- [1] E. Borger, Computability, Complexity, Logic (North-Holland, Amsterdam, 1989).
- [2] D.E. Knuth, Theory and Practice, Theoret. Comput. Sci. 90 (1991) 1-15.
- [3] A.K. Lenstra and H.W. Lenstra, Jr., Algorithms in number theory, in: J. vanLeeuwen, ed., Handbook of Computer Science, Vol. A (Elsevier, Amsterdam, 1990) 673-715.
- [4] M. Li, Lower bounds by Kolmogorov complexity, in: Proc. ICALP '85, Lecture Notes in Computer Science, Vol. 194 (Springer, Berlin, 1985) 383-393.
- [5] A. Rajasekar, Semantics for logic programs, Ph.D. Thesis, Department of Computer Science, University of Maryland, 1989.

Figures should be provided in a form suitable for photographic reproduction and reduction. Lettering should be of uniform size corresponding to the anticipated reduction. Handwritten lettering on figures is not acceptable. Figures should be identified by arabic numerals and the captions should be typed, doubled-spaced, on a separate sheet rather than lettered on the figures themselves. Photographs and coloured pictures must be of impeccable quality. Please note that for colour photographs the publisher will charge the printing costs to the author. A final accepted manuscript can be submitted in paper only (typed on one side in doublespacing with wide margins).

Electronic Submissions: LaTeX documents

Only the final accepted manuscript can be submitted on disk (3.5" or 5.25" MS-DOS) or on CD, along with two paper-printed copies which are identical to the file. Please label the disk with your name, and mention which word processor you have used. If the file is suitable, proofs will be produced without rekeying the text. The article should be encoded in ESP-LaTeX, standard LaTeX, or AMS-LaTeX (in document style "article"). The Elsevier-LaTeX package, together with instructions on how to prepare a file, is available from the Publisher. This package can also be obtained through Elsevier Science FTP-server. The styles are also available on the Comprehensive TeX Archive Network (CTAN) at sites in the USA, the United Kingdom and in Germany.

Illustrative material (original figures or high-quality glossy prints, or photographs showing a sharp contrast) should be included separately. No changes from the accepted version are permissible, without the explicit approval by the Editors. The Publisher reserves the right to decide whether to use the author's file or not. For the purpose of further correspondence the manuscript should end with a complete mailing address, preferably including email address, of at least one of the authors.

Electronic submission: Non-LaTeX documents

Only the final accepted manuscript can be submitted on disk, along with two paper-printed copies which are identical to the file. Please label the disk with your name, and mention which word processor you have used.

The word-processed text should be in single column format. Keep the layout of the text as simple as possible, in particular, do not use the word-processor's options to justify the text or to hyphenate the words. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also Guide for Authors). The list of references, tables and figure legends should be compiled separately from the main text. Do not reserve space for the figures and tables in the text; instead, indicate their approximate locations, either directly in the electronic text or on the manuscript. The final text should be submitted both in manuscript form and on diskette or CD. Use standard 3.5" or 5.25" diskettes for this purpose. Both double density (DD) and high density (HD) diskettes are acceptable. It is recommended to store the main text, list or references, tables and figure legends in separate text files with clearly identifiable file names (for example, with extensions .TXT, REF, TBL, FIG). The format of the files depends on the word-processor used. Texts made with DEC WPS PLUS, DisplayWrite, First Choice, IBM Writing Assistant, Microsoft Word, Multimate, PFS: Write, Professional Writer, Samma Word, Sprint, Total Word, Volkswriter, Wang PC, WordMARC, WordPerfect, Wordstar, or files supplied in DCA.RFT format can be readily processed. In all other cases the preferred text format is ASCII.

Essential is that name and version of the word-processing program and the type of computer on which the text was prepared is clearly indicated on the diskette label or the accompanying checklist. The manuscript may contain parts (e.g. formulas or complex tables) or last-minute corrections which are not included in the text on diskette; however, if this is the case then the differences with the diskette version should be clearly marked on the manuscript.

Illustrative material (original figures or high-quality glossy prints, or photographs showing a sharp contrast) should be included separately.

Keyword Instructions

Important Notice: please add one to five keywords to your article.

Keywords are essential for the accessibility and retrievability of your article. Keywords assigned to articles will be assembled in a keyword index which will be printed in the last issue of each volume for each journal, and in cumulative indexes. In addition, it is planned to make keywords available on Internet. To maximize the consistency with which such keywords are assigned by different authors, the following guidelines have been drawn up.

- Each keyword (which can be a phrase of more than one word) should describe one single concept. Words like "and" or "of" should be avoided.
- Avoid very general keywords which become meaningless once in a keyword list, e.g. "action", "computer", "mathematics". Check whether the keywords describe the outline of the article on the whole.
- Use natural language: for instance "automatic error recovery" rather than "error recovery, automatic".
- Try to use nouns and adjectives as much as possible (i.e. use "automatic error recovery" rather than "recovering errors automatically"). Do not use nouns in the plural form.
- Use English rather than American spelling (regardless of the spelling used for the article itself).
- Avoid the use of abbreviations as much as possible, unless an abbreviation is so well-established that the full term is rarely used (e.g. use "laser" instead of "Light Amplification by Stimulated Emission of Radiation", but use "computer aided design" instead of "CAD").

Although these guidelines are not mandatory, they should be adhered to where possible.

Paper submitted to Discrete Applied Mathematics may also be posted on The Mathematics Preprint Server (<http://www.mathpreprints.com>). Posting on The Mathematics Preprint Server is in conformity with Elsevier Science copyright policy and in no way conflicts with submission to Discrete Applied Mathematics.

Author Benefits

No page charge is due

50 offprints of each contribution free of charge

30% discount on all Elsevier Science books.

Mathematical Software Section

The section will consider papers falling in the same areas as DAM, and will essentially publish three kinds of contributions:

1. Regular papers, processed and accepted for their mathematical novelty, for which, in addition, the authors give and describe the corresponding computer codes.
2. Papers presenting significant implementations of algorithms from the literature, provided they are of particular interest to the scientific community. Criteria for acceptance of this kind of contribution will be: high efficiency, proved through extensive computational experiments, significantly improving that of the best existing codes (one order of magnitude is considered to be significant); novelty of the software, when no other code for the same problem is available to the public domain.
3. Papers presenting comparative studies on relevant existing software.

To submit their work, authors are requested:

- To mail three hard copies of the manuscript to Nelly Segal, Editorial Manager, RUTCOR, Rutgers University, P.O. Box 5062, New Brunswick, NJ 08903-5062, U.S.A., mentioning "Mathematical Software Section" in their covering letter and
- To send the codes electronically to Professors S. Martello and P. Toth at smartello@deis.unibo.it/ptoth@deis.unibo.it

Only source codes are considered. Accepted languages are FORTRAN and C. The codes must strictly conform to the ANSI 77 Standard FORTRAN and to the ANSI C Standard, respectively.

The codes must be clean, well documented and self contained. Use of machine-dependent constants and functions should be avoided or, when needed, clearly stated. Each code must contain a main subroutine or procedure which receives all the input data and yields all the output data as parameters. Such a routine must begin with a comments section providing:

- clear description of the domain of applicability
- meaning of each input and/or output parameter
- list of machine dependent constants and functions
- list of the routines composing the codes
- type of structure of all the parameters
- rules for the arrays dimensioning
- meaning of the main interval variables

Indentation is recommended for loops and if-then-else statements. The labels in each routine should be consecutive with constant step. Examples of well-structured codes can be found in Martello and Toth, "Knapsack Problems: Algorithms and Computer Implementations", Wiley, 1990.

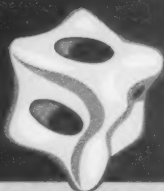
Each code must be accompanied by a driver program which:

- defines the input data for one or more sample instances through assignment or input statements (in the latter case, the contents of the input records must be explicitly listed)
- calls the main routine of the code
- prints out the results on a standard unit. (The comments section of the driver program must provide the expected output.)

The codes will be available via a library managed by Elsevier Science through a Web-server at <http://www.elsevier.com/locate/dam>

Copyright in the articles is held, except where noted, by Elsevier Science. Copyright as well as other proprietary rights in the source code are held by the authors. By submitting the code along with the article, the authors have agreed to permit the readers of *Discrete Applied Mathematics* the right to use the algorithms for personal and professional research use, but not for any further redistribution, further sublicensing, or commercial use. All rights are otherwise reserved.

MATHEMATICS WEB



THE COMPLETE INFORMATION RESOURCE FOR MATHEMATICIANS

SERVICES
AVAILABLE ON
MATHEMATICSWEB

OUR EDITOR SELECTS



THE MATHEMATICS
PREPRINT SERVER



WHO CITES WHO



SCIRUS SEARCH



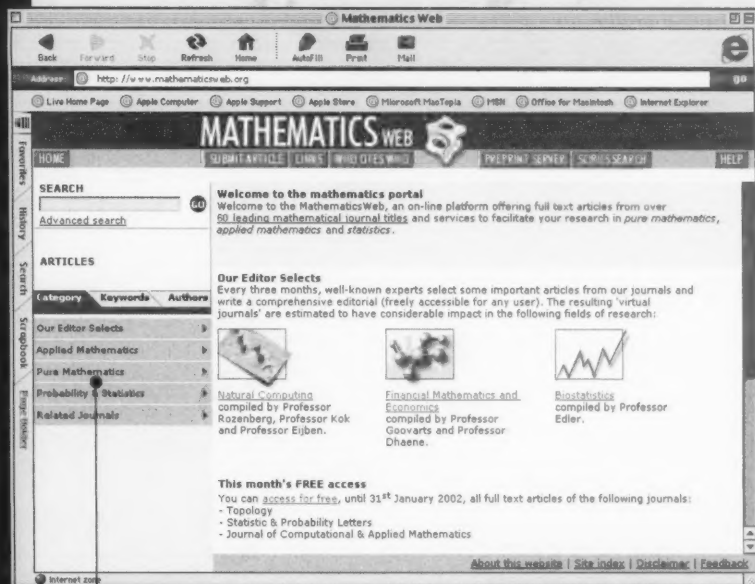
ELECTRONIC SUBMISSION
FOR AUTHORS



MathematicsWeb facilitates your research in the fields of:

- Pure Mathematics,
- Applied Mathematics,
- Statistics and Probability.

Mathematicians can access over 60 journals as well as a growing number of journals from prestigious publishers (e.g SIAM).



IMMEDIATE ACCESS TO OVER
80,000 ARTICLES

www.mathematicsweb.org



The FREE e-mail service which delivers Elsevier Science book and journal tables of contents directly to your PC

CONTENTS
Direct

Sign-up is simple!

- 1 ALL YOU HAVE TO DO IS VISIT THE CONTENTSDIRECT WEBSITE
- 2 FOLLOW THE INSTRUCTIONS TO REGISTER YOUR BOOK AND JOURNAL INTERESTS ONLINE
- 3 THEN SIT BACK AND ENJOY ADVANCE E-MAIL NOTIFICATION OF THE VERY LATEST RESEARCH IN YOUR AREAS OF INTEREST

REGISTER TODAY

www.elsevier.com/locate/contentdirect

Subscription Information

Discrete Applied Mathematics (ISSN 0166-218X). For 2003 Volumes 125–133 are scheduled for publication. A combined subscription to Discrete Applied Mathematics and Discrete Mathematics at reduced rate is available.

Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.com/locate/dam>). Further information is available on this journal and other Elsevier Science products through Elsevier's website: (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

Advertising information. Advertising orders and enquiries can be sent to: **USA, Canada and South America:** Mr Tino DeCarlo, The Advertising Department, Elsevier Science Inc., 360 Park Avenue South, New York, NY 10010-1710, USA; phone: (+1) (212) 633 3815; fax: (+1) (212) 633 3820; e-mail: t.decarlo@elsevier.com. **Japan:** The Advertising Department, Elsevier Science K.K., 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047. **Europe and ROW:** Commercial Sales Department, Elsevier Science Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone (+44) 1865 843016; fax: (+44) 1865 843976; e-mail: media@elsevier.com

Orders, claims, and product enquiries: please contact the Customer Support Department at the Regional Sales Office nearest you:

New York: Elsevier Science, PO Box 945, New York, NY 10159-0945, USA; phone: (+1) (212) 633 3730 [toll free number for North American customers: 1-888-4ES-INFO (437-4636)]; fax: (+1) (212) 633 3680; e-mail: usinfo-f@elsevier.com

Amsterdam: Elsevier Science, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone: (+31) 20 4853757; fax: (+31) 20 4853432; e-mail: nlinfo-f@elsevier.com

Tokyo: Elsevier Science, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047; e-mail: info@elsevier.co.jp

Singapore: Elsevier Science, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 6349 0200; fax: (+65) 6733 1510; e-mail: asiainfo@elsevier.com.sg

Rio de Janeiro: Elsevier Science, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro-RJ, Brazil; phone: (+55) (21) 509 5340; fax: (+55) (21) 507 1991; e-mail: elsevier@campus.com.br [Note (Latin America): for orders, claims and help desk information, please contact the Regional Sales Office in New York as listed above]

Authors' benefits

1. 50 reprints per contribution free of charge.
2. 30% discount on all Elsevier Science books.

US mailing notice – Discrete Applied Mathematics (0166-218X) is published semi-monthly by Elsevier Science B.V., Customer Support Department, P.O. Box 211, 1000 AE Amsterdam, The Netherlands. Fax: +31 20 4853432. Annual subscription price in the USA US\$ 2744.00 (US\$ price valid in North, Central and South America only), including air speed delivery. Periodicals postage paid at Jamaica, NY 11431.

USA POSTMASTERS: Send address changes to Discrete Applied Mathematics, Publication Expediting, Inc., 200 Meacham Avenue, Elmont, NY 11003. Air freight and mailing in the USA by Publication Expediting.

CONTENTS
Direct

This journal is part of **ContentsDirect**, the *free* alerting service which sends table of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>



0166-218X(2002)111-120;1-6

Keep track of recently published papers via
the journal's home page on the WWW:
<http://www.elsevier.com/locate/dam>

